

FIG. 1
(PRIOR ART)

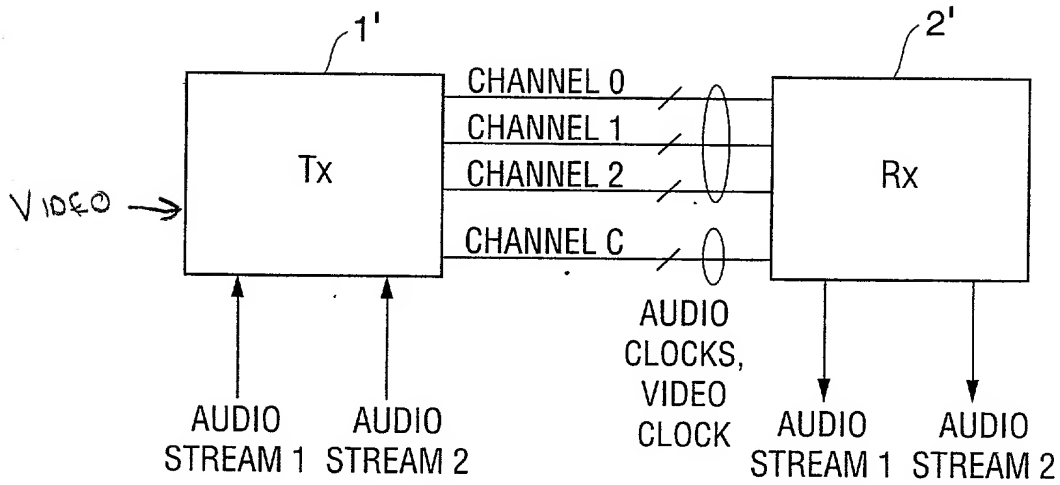


FIG. 2

	Input D7-D0	Hex	TMDS pattern
PRE-DATA GUARD BAND for Aux data	01010101	55	1100110010
AD0	01011011	5B	0011100101
AD1	10110101	B5	0110001101
AD2	11010011	D3	0010011101
AD3	11011001	D9	0100011101
AD4	01101101	6D	0111000101
AD5	10100100	A4	0011100110
AD6	10010010	92	0111000110
AD7	01000100	44	0011110010
AD8	00100010	22	0111100010
AD9	01001011	4B	1001110010
AD10	10010011	93	1000111010
GUARD BAND for video data and POST-DATA GUARD BAND for Aux data (and AD11)	10101011	AB	0011001101
AD12	01011010	5A	1100011001
AD13	01101100	6C	1000111001
AD14	10100101	A5	1100011010
AD15	10111010	BA	1100001101

FIG. 4

Specific CTL	CTL [1:0]	Preamble (q0 : q9)	Guardband (q0 : q9)	GB (d7 : d0)	Purpose
R (CTL [3:2])	00	0010101011	0011001101	0xAB	Video Preamble/Video Guardband/Post-Data Aux Guardband
G (CTL [1:0])	00	0010101011	0011001101	0xAB	Video Preamble/Video Guardband/Post-Data Aux Guardband
B (VSYNC:HSYNC)	XX	1 of 4 values	0011001101	0xAB	Video Preamble/Video Guardband
R (CTL [3:2])	01	1101010100	1100110010	0x55	Aux Preamble/Pre-Data Aux Guardband
G (CTL [1:0])	10	0010101010	1100110010	0x55	Aux Preamble/Pre-Data Aux Guardband
B (VSYNC:HSYNC)	XX	1 of 4 values	1 of 4 values	0x5B, 0xB5, 0xD3, 0xD9	Aux Preamble/Pre- or Post-Data Aux Guardband
R (CTL [3:2])	10	0010101010			VSync Window, HDCP enabled
G (CTL [1:0])	00	0010101011			VSync Window, HDCP enabled
B (VSYNC:HSYNC)	1X	1 of 2 values			VSync Window, HDCP enabled

FIG. 3

FIG. 5

